

REMARKS

By the above amendment, claim 28 has been amended, claims 38-46 have been canceled, and new claims 47-61 have been presented.

Also submitted herewith is an Information Disclosure Statement, and consideration of the same is respectfully requested.

To the extent necessary, applicant's petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (501.33961R00) and please credit any excess fees to such deposit account.

Respectfully submitted,



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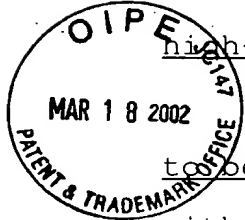
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please amend claim 28 as follows:

28. (amended) A liquid crystal display suitable for high-quality display comprising:
a pair of liquid crystal device substrates arranged so as to be opposite to each other and joined together by a sealant with a liquid crystal interposed therebetween; and
at least one liquid crystal drive element for driving the liquid crystal;
wherein the liquid crystal device substrates comprise
a plurality of parallel video signal lines;
a plurality of switching devices;
a plurality of parallel terminal electrodes led out to an end portion of the liquid crystal device substrates, connected to the liquid crystal drive element, and having different pitches from pitches of the video signal lines; and
a plurality of leadout wirings for connecting the video signal lines and the terminal electrodes, including first portions being substantially parallel to the video signal lines, second portions being substantially parallel to the terminal electrodes and inclined linear wiring electrodes for connecting the first and second portions; and
wherein the inclined linear wiring electrodes are substantially parallel to each other; and



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wherein lengths of at least one of the first and second portions and widths of the inclined linear wiring electrodes vary.

Please cancel claims 38-46 without prejudice or disclaimer of the subject matter thereof.

Please add the following new claims:

--47. A liquid crystal display according to claim 1, wherein the inclined linear wiring electrodes are almost mutually parallel to each other at least in an area of the liquid crystal side of the sealant.

48. A liquid crystal display according to claim 10, wherein the inclined linear wiring electrodes are almost mutually parallel to each other at least in an area of the liquid crystal side of the sealant.

49. A liquid crystal display suitable for high-quality display comprising:

a pair of liquid crystal device substrates arranged so as to be opposite to each other and joined together by a sealant with a liquid crystal interposed therebetween; and

at least one liquid crystal drive element for driving the liquid crystal;

wherein the liquid crystal display device substrates comprise:

a plurality of parallel display electrodes;

a plurality of parallel terminal electrodes led out to an end portion of the liquid crystal device substrates, connected to the liquid crystal drive element, and having different pitches from pitches of the display electrodes; and

a plurality of leadout wirings for connecting the display electrodes and the terminal electrodes, including first portions being substantially parallel to the display electrodes, second portions being substantially parallel to the terminal electrodes and inclined linear wiring electrodes for connecting the first and second portions; and

wherein the inclined linear wiring electrodes are substantially parallel to each other at least in an area of the liquid crystal side of the sealant; and

wherein lengths of at least one of first and second portions and widths of the inclined linear wiring electrodes vary.

50. A liquid crystal display according to claim 49, wherein the pitches of the terminal electrodes are smaller than the pitches of display electrodes.

51. A liquid crystal display suitable for high-quality display comprising:

a pair of liquid crystal device substrates arranged so as to be opposite to each other and joined together by a sealant with a liquid crystal interposed therebetween; and

at least one liquid crystal drive element for driving the liquid crystal;

wherein the liquid crystal device substrates comprise:
a plurality of parallel scanning signal lines;
a plurality of switching devices;
a plurality of parallel terminal electrodes led out to an
end portion of the liquid crystal device substrates, connected
to the liquid crystal drive element, and having different
pitches from pitches of the scanning signal lines; and
a plurality of leadout wirings for connecting the
scanning signal lines and the terminal electrodes, including
first portions being substantially parallel to the scanning
signal lines, second portions being substantially parallel to
the terminal electrodes and inclined linear wiring electrodes
for connecting the first and second portions; and
wherein the inclined linear wiring electrodes are
substantially parallel to each other at least in an area of
the liquid crystal side of the sealant; and
wherein lengths of at least one of first and second
portions and widths of the inclined linear wiring electrodes
vary.

52. A liquid crystal display suitable for high-quality
display comprising:

a pair of liquid crystal device substrates arranged so as
to be opposite to each other and joined together by a sealant
with a liquid crystal interposed therebetween; and

at least one liquid crystal drive element for driving the
liquid crystal;

wherein the liquid crystal device substrates comprise:

a plurality of parallel video signal lines;
a plurality of switching devices;
a plurality of parallel terminal electrodes led out to an
end portion of the liquid crystal device substrates, connected
to the liquid crystal drive element, and having different
pitches from pitches of the video signal lines; and
a plurality of leadout wirings for connecting the video
signal lines and the terminal electrodes, including first
portions being substantially parallel to the video signal
lines, second portions being substantially parallel to the
terminal electrodes and inclined linear wiring electrodes for
connecting the first and second portions; and
wherein the inclined linear wiring electrodes are
substantially parallel to each other at least in an area of
the liquid crystal side of the sealant; and
wherein lengths of at least one of first and second
portions and widths of the inclined linear wiring electrodes
vary.

53. A liquid crystal display according to one of claims
49, 51 and 52, wherein resistances of each lead out wirings
are substantially equal to each other.

54. A liquid crystal display suitable for high-quality
display comprising:

a pair of liquid crystal device substrates arranged so as
to be opposite to each other and joined together by a sealant
with a liquid crystal interposed therebetween; and

at least one liquid crystal drive element for driving the liquid crystal;

wherein the liquid crystal device substrates comprise:

a plurality of parallel display electrodes;

a plurality of parallel terminal electrodes led out to an end portion of the liquid crystal device substrates, connected to the liquid crystal drive element, and having different pitches from pitches of the display electrodes; and

a plurality of leadout wirings for connecting the display electrodes and the terminal electrodes, including inclined linear wiring electrodes which are not parallel to the display electrodes; and

wherein the inclined linear wiring electrodes are substantially parallel to each other at least in an area of the liquid crystal side of the sealant.

55. A liquid crystal display suitable for high-quality display comprising:

a pair of liquid crystal device substrates arranged so as to be opposite to each other and joined together by a sealant with a liquid crystal interposed therebetween; and

at least one liquid crystal drive element for driving the liquid crystal;

wherein the liquid crystal device substrate comprise:

a plurality of parallel scanning signal lines;

a plurality of switching devices;

a plurality of parallel terminal electrodes led out to an end portion of the liquid crystal device substrates, connected

to the liquid crystal drive element, and having different pitches from pitches of the scanning signal lines; and
a plurality of leadout wirings for connecting the scanning signal lines and the terminal electrodes, including inclined linear wiring electrodes which are not parallel to the scanning signal lines; and
wherein the inclined linear wiring electrodes are substantially parallel to each other at least in an area of the liquid crystal side of the sealant.

56. A liquid crystal display suitable for high-quality display comprising:

a pair of liquid crystal device substrates arranged so as to be opposite to each other and joined together by a sealant with a liquid crystal interposed therebetween; and

at least one liquid crystal drive element for driving the liquid crystal;

wherein the liquid crystal device substrates comprise:

a plurality of parallel video signal lines;

a plurality of switching devices;

a plurality of parallel terminal electrodes led out to an end portion of the liquid crystal device substrates, connected to the liquid crystal drive element, and having different pitches from pitches of the video signal lines; and

a plurality of leadout wirings for connecting the video signal lines and the terminal electrodes, including inclined linear wiring electrodes which are not parallel to the video signal lines; and

wherein the inclined linear wiring electrodes are substantially parallel to each other at least in an area of the liquid crystal side of the sealant.

57. A liquid crystal display suitable for high-quality display comprising:

a pair of liquid crystal device substrates arranged so as to be opposite to each other and joined together by a sealant with a liquid crystal interposed therebetween; and

at least one liquid crystal drive element for driving the liquid crystal;

wherein the liquid crystal device substrates comprise:

a plurality of parallel display electrodes;

at least one terminal electrode group comprising a plurality of parallel terminal electrodes led out to an end

portion of the liquid crystal device substrates, connected to the liquid crystal drive element, and having different pitches from pitches of the display electrodes; and

a plurality of leadout wirings for connecting the display electrodes and the terminal electrodes; and

wherein the leadout wirings connected to the terminal electrodes positioned at least an outer portion have inclined linear wiring electrodes which are not parallel to the display electrode; and

wherein the inclined linear wiring electrodes are substantially parallel to each other at least in an area of the liquid crystal side of the sealant.

58. A liquid crystal display suitable for high-quality display comprising:

a pair of liquid crystal device substrates arranged so as to be opposite to each other and joined together by a sealant with a liquid crystal interposed therebetween; and

at least one liquid crystal drive element for driving the liquid crystal;

wherein the liquid crystal device substrates comprise:

a plurality of parallel scanning signal lines;

a plurality of switching devices;

at least one terminal electrode group comprising a plurality of parallel terminal electrodes led out to an end portion of the liquid crystal device substrates, connected to the liquid crystal drive element, and having different pitches from pitches of the scanning signal lines; and

a plurality of leadout wirings for connecting the scanning signal lines and the terminal electrodes; and
wherein the leadout wirings connected to the terminal electrodes positioned at least an outer portion have inclined linear wiring electrodes which are not parallel to the scanning signal lines; and
wherein the inclined linear wiring electrodes are substantially parallel to each other at least in an area of the liquid crystal side of the sealant.

59. A liquid crystal display suitable for high-quality display comprising:

a pair of liquid crystal device substrates arranged so as to be opposite to each other and joined together by a sealant with a liquid crystal interposed therebetween; and

at least one liquid crystal drive element for driving the liquid crystal;

wherein the liquid crystal device substrates comprise:

a plurality of parallel video signal lines;

a plurality of switching devices;

at least one terminal electrode group comprising a plurality of parallel terminal electrodes led out to an end portion of the liquid crystal device substrates, connected to the liquid crystal drive element, and having different pitches from pitches of the video signal lines; and

a plurality of leadout wirings for connecting the video signal lines and the terminal electrodes; and

wherein the leadout wirings connected to the terminal

electrodes positioned at least an outer portion have inclined linear wiring electrodes which are not parallel to the video signal lines; and

wherein the inclined linear wiring electrodes are substantially parallel to each other at least in an area of the liquid crystal side of the sealant.

60. A liquid crystal display according to one of claims 57-59, wherein the pitches of the inclined linear wiring electrodes are substantially equal to each other.

61. A liquid crystal display according to one of claims 57 to 59, wherein the leadout wirings have portions which are parallel to the terminal electrodes, and wherein lengths of the portions vary.--